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15 July 2004
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(54) Title: USE OF AMIDE OR ESTER OF SUGAR AND OF FATTY ACID, FOR TREATING AND/OR PREVENTING DRY SKIN

(57) Abstract: The present invention relates to the use of at least one amide, a mono- or polyester of sugar and of fatty acid, especially linoleic acid, for the preparation of a cosmetic or pharmaceutical composition intended for treating and/or preventing dry skin. It also relates to the use of at least one amide, a sugar mono- or polyester of fatty acid, for the preparation of a cosmetic composition intended for treating oligoseborrhoeic dry skin and/or for stimulating sebum production. It also relates to the use of at least one amide, a mono- or polyester of sugar of linoleic acid for the preparation of a cosmetic or pharmaceutical composition, intended for generating 13-hydroxy-octadecadienoic acid and/or for treating and/or preventing skin disorders and/or disorders of the pilosebaceous unit associated with a deficit of linoleic acid.

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INTERNATIONAL SEARCH REPORT

PCT/IB 4517

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K7/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DATABASE WPI Week 199141 Derwent Publications Ltd., London, GB; AN 1991-298730 XP002246491 & JP 03 197414 A (LION CORP) 28 August 1991 (1991-08-28) abstract	1-44
Y	DATABASE WPI Week 200169 Derwent Publications Ltd., London, GB; AN 2001-605165 XP002246492 & JP 2001 172176 A (SUNSTAR CHEM IND) 26 June 2001 (2001-06-26) abstract	1-44
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

26 March 2004

Date of mailing of the international search report

05/04/2004

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INTERNATIONAL SEARCH REPORT

PCT/IB 04517

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE WPI Week 199313 Derwent Publications Ltd., London, GB; AN 1993-104166 XP002246493 & JP 05 043428 A (LION CORP) 23 March 1993 (1993-03-23) abstract</p>	1,4-25
X	<p>EP 1 010 413 A (L'ORÉAL) 21 June 2000 (2000-06-21) page 2, line 58 - page 3, line 11; claims 1,6,7,22,23; examples 2,3</p>	1-44
A	<p>DATABASE WPI Week 197640 Derwent Publications Ltd., London, GB; AN 1976-74642x XP002246494 & JP 51 093913 A (DAIICHI K.K.K.) 18 August 1976 (1976-08-18) abstract</p>	1-44
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1997, no. 01, 31 January 1997 (1997-01-31) & JP 08 245680 A (NATL. FOOD RES. INST.), 24 September 1996 (1996-09-24) abstract</p>	1-44
A	<p>EP 0 750 903 A (COÖPERATI COSUN U.A.) 2 January 1997 (1997-01-02) page 3, line 42 - line 47; claims 1-6</p>	1-44
A	<p>US 4 699 930 A (K. SUGA) 13 October 1987 (1987-10-13) claims 1-5</p>	1-44

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: -

Present claims 1-44 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds described by claims 22-44 and by the examples

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORT

PCT/IB 03/04517

Box I. Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II. Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

PCT/IB 07/04517

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